Supplier - SMART OIL

FoamQuer 4172

Concentrate & Tankside Defoamer

Typical Properties

Appearance	Milky White To Light Yellow Liquid
SG@25℃	0.950 - 1.050
Vis.@25℃, cp	1000 - 3300
Non-Vol.Content %	> 70
pH (50%Water Dilution)	7.0 - 8.5
Std Packaging (NW / GW, Kg)	20.0 / 19.0

Product Description

FOAMQUER 4172 is a compound of modified-siloxane emulsion containing highly non-volatile components with optimal of hydrophobic and hydrophilic balance; which indulge the contradicted product properties of defoaming characteristic and system compatibility coexist. The unique package enables it perform well in the concentrates of various industrial fluids such as cleaners and cutting fluids, also for applications in paint spray booths.

FOAMQUER 4172 possesses low surface tension with high spreading coefficient; and appropriate droplets size to rupture foam cell lamellas; which results in fast foam collapses.

FOAMQUER 4172 is significantly cost-effective when compared to traditional PDMS-based or siloxane polyether-based defoamers. Apart from the fast foam knock-down characteristic, it possesses good washing property , so it is suitable for secondary processing like paint spray. By virtue of its unique molecular structure, the product is readily dispersible in water dilutable systems to maintain a clear system. It is not prone to self-agglomeration during usage and storage, so can ensure the passage in the system pipes.

FOAMQUER 4172 can be used in systems with pH higher than 12, and also with good performance in high-shear machining conditions.

FOAMQUER 4172 can also be used as tankside additive in water dilutable systems.

Recommended Starting Dosage Level

The recommended dosage range is 0.05 - 0.2% (500 - 2000ppm). However, the optimal dosage depends on system formulation. For tank-side addition, recommended starting dosage is 0.005% (50 ppm).

Storage and Use Condition

- Always mix thoroughly before use, as phase separation will occur after long storage time;
- Storage under normal temperature up to 60℃;
- Should be placed in closed container within shaded and ventilated area; do not expose to direct sunlight, and away from heat sources.

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